

1 **ABSTRACT OF THE DISCLOSURE**

2 A generator for a bicycle includes a rotor abutting a wheel of the bicycle.
3 A coil is mounted in the rotor and electrically connected to two bearings that are
4 mounted on the opposite sides of the rotor by two inner wires. A stator has a
5 shaft extending through the two bearings and a permanent magnet sleeved onto
6 the shaft and corresponding to the coil. Two electrical ring connectors are
7 respectively mounted on opposite ends of the shaft and electrically connected to
8 the bearings. A light is mounted on the bicycle and electrically connected to the
9 electrical ring connectors. The coil will rotate with the rotor relative to the stator
10 when the bicycle is in motion and generate electricity that is transmitted to the
11 light, and the light improves the enjoyment and safety of riding the bicycle.